

## The Particular Man

Wants his Spring Suit ready to put on the moment he feels like wearing it.

## The Forgetful Man

Waits until the warm days are here and then worries about his Suit and often, in his hurry, selects a Suit that never pleases him.

## Why Not

skip all this worry and hurry this Spring and make your selection now?

The leading feature of our new stock is the splendid Spring line of L. Adler Bros. & Co.'s Suits and Overcoats. *Money back if you want it is the way it goes here.*

**OAK-HALL - - BOSTON**



## The Berkeley Hotel

Berkeley and Boylston Streets

EUROPEAN AND  
AMERICAN PLANS

Modern in Every Detail

Restaurant à la Carte  
Dining Room table d'hôte

Gentlemen's CAFÉ and Billiard Room.  
Entrance on Berkeley St.

**JOHN A. SHERLOCK**

ALL GOODS REQUIRED BY  
STUDENTS AT

## MacLachlan's,

214 Clarendon Street.

Drawing Instruments and Materials, etc.

Fountain Pens, Text Books.

## Priest's Dining Rooms

102 DARTMOUTH STREET

Full Ticket, 21 meals . . . . .	\$4.00
Breakfasts and Dinners . . . . .	3.00
Breakfast, 7 meals . . . . .	1.50
Dinner, 7 meals . . . . .	1.50

**Try our Mid-day Dinners, 20 cents**

SEVEN FOR \$1.20

Typewriting done with neatness and dispatch  
THESIS WORK A SPECIALTY

MISS. L. L. BANGS

809 Tremont Building, Boston

(phone 272-3 Cambridge)

**W. M. ROWAN**

**"THE TECH BARBER"**

Westminster Hotel . . . . St. James Ave.



Special to Students

Hair Cut 25 cts. - - Shave 15 cts.

**DR. W. J. CURRIER,**

**Dentist,**

Office Hours,  
9 to 4.

90 Huntington Avenue.

Refers by permission to Prof. T. H. Bartlett.

## Meadowbrook Restaurant,

Huntington Chambers Building,  
Near Copley Square. \* \*



24 and 26 Huntington Avenue,  
\* \* \* \* BOSTON.

REVERSIBLE  
**Linene**  
Collars and Cuffs

### SAVE MONEY AND TROUBLE

Students, professional and business men, mechanics, sportsmen, find comfort, convenience, and economy in these goods. Made of fine cloth, stylish, and finished in pure starch.

### NO WASHING OR IRONING

When soiled, discard. For sale by Continental Clothing House, Boylston & Washington streets, and other dealers.

REVERSIBLE COLLAR CO., BOSTON.

## Galvin's Conservatory

Cor. Boylston and Fairfield Streets

Decorations for Weddings  
and Receptions. Dinner-  
table and Ballroom deco-  
rations.

Plans and Estimates furnished  
on application.

# COLLEGE SONGS

Tech Songs \$1.25

Harvard  
University Songs \$1.50

College Songs for  
Girls \$1.00

OLIVER DITSON CO.  
150 TREMONT STREET

# DRESS SUITS

## Correct and Ready-to-Wear

¶ Of fine twilled English Worsted or German Crepe, and lacking no single detail of "smartness" in the style. A complete showing of ready-to-wear evening dress for men, in a department wholly by itself—the largest in New England. Distinctive, high-grade evening clothes, yet at a considerable saving in price.

Dress Suits, \$35, \$45, \$50  
Tuxedo " \$33, \$40, \$45

¶ Made in our own work rooms.

Macular Parker  
COMPANY

400 Washington Street



LOWNEY'S  
Chocolate Bonbons

"Name on Every Piece."

"A Word to the Wise is Sufficient."

Retail Store 416 Washington Street.



## Underwood's Deviled Ham

if you have it on hand, will help greatly to entertain the unexpected guest.

It's an old-fashioned product—made honestly and pure of HAM and pure spices—nothing else.

All first class dealers sell it.

Look on the can for the little red devil.

Wm. Underwood Co., Boston, Mass.

H. M. LEVINE


**TAILOR**


125 TREMONT STREET, BOSTON

Telephone, Oxford 1973-2

**"GRAND KAPNOS" HIGHEST  
EGYPTIAN CIGARETTES**

are smoked by all connoisseurs of Oriental tobacco.

**"COLLEGE YARD BLEND"** Pipe tobacco has  
 success in consequence of its pure aroma and fragrancy, and to  
 the fact that it does not bite the tongue.

We will print your crest, monogram, or initials artistically on cigarettes without extra cost.

**ANGLO-OTTOMAN TOBACCO CO.**

 1230 Massachusetts Ave., Harvard Square  
 Telephone 1144-4 Cambridge, Mass.

**"A RAILROAD  
BEAUTIFUL"**

is the title of a 9 x 12 brochure issued by the Passenger Department

**BOSTON & ALBANY R.R.**

Containing Illustrations and Descriptions of its work in

**LANDSCAPE GARDENING**
**AT RAILROAD STATIONS**

Copies of this Illustrated Pamphlet will be mailed on request, as also copy of "Westbound," containing detailed schedules and train service from New England to all points West via New York Central Lines.

The Boston & Albany R.R., with its double-track system, gives the finest train service out of New England, and the route lies through the

**Picturesque Berkshire Hills,  
Mohawk Valley, via Niagara Falls**
**Boston & Albany's**
**St. Louis Exposition Folder**

containing description and illustrations, rates, maps of New York Central Lines between New England and St. Louis, the Exposition Grounds, and City of St. Louis, may be secured by enclosing stamp to the undersigned.

**A. S. HANSON, Gen. Pass. Agt., Boston**

A very attractive line of London and Scotch Novelties  
 especially adapted for young men at modern prices.

**STACKHOUSE and FREEMAN**
*Tailors*

111 Hamilton Place corner Tremont Street

BOSTON

TELEPHONE CONNECTION

**NOYES BROS.****SHIRTS**

For BUSINESS Wear, \$1.50 to \$3.50

For OUTING Wear, \$2.00 to \$4.00

For DRESS Occasions, \$2.50 to \$5.00

**FLANNEL SHIRTS**

For Travelling, Hunting and Outdoor Sports, \$2.75 to \$10.00

**Fownes Heavy Street Gloves**

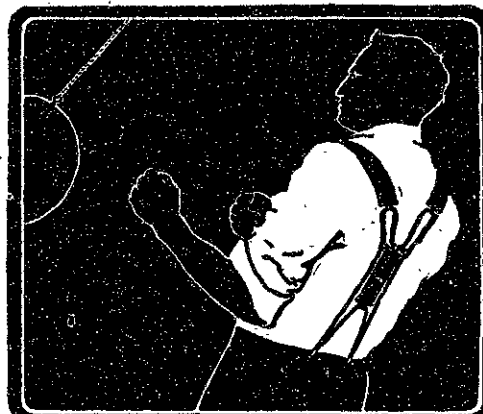
Hand Stitched, \$1.50

Better ones, \$2.00, \$2.50 and \$3.00

**NECKWEAR**

In designs out of the ordinary—shapes strictly new \$1.00 to \$4.50

**NOYES BROS.** Washington and Summer Streets, Boston, U. S. A.



**"Give and Take"**

is the principle of

**President Suspenders**

What one side gives the other side takes. Comfort, style and service.

**Absolutely Guaranteed.**

Metal trimmings cannot rust. 50c and \$1, any store, or mail prepaid.

C. A. EDGARTON MFG. CO.  
Box 282, Shirley, Mass.

# FIELD & COWLES INSURANCE

**85 WATER STREET, BOSTON**

**SPECIAL FORMS FOR INSURANCE OF STUDENTS' PROPERTY  
IN HOUSE AND SCHOOL. RATES NOMINAL.  
WRITE FOR PARTICULARS.**

# FREE

## To Tech Students only

A \$10.00 pair of  
trousers free to each  
student

Write or call for further information

**A. H. MATZ & CO.**

*The Tech Tailor*

32 HUNTINGTON AVE.

COPLEY SQ.

# Removal

## Hall & Hancock HATTERS

are now located in the Hall and  
Hancock Building

418 & 420

## Washington St.

Third door from Summer St. (North)

Co-op. Discount

*New Location*

## W. C. BROOKS & CO.

## TAILORS

### OLD SOUTH BUILDING

294 Washington Street

BOSTON

# THE TECH

VOL. XXIII.

BOSTON, APRIL 21, 1904.

NO. 25.

## THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

LEONARD T. BUSHNELL, 1905, *Editor-in-Chief*.  
CHARLES T. BARTLETT, 1906, *Managing Editor*.  
H. EVERETT DARLING, 1906, *Secretary*.  
C. H. GRAESSER, 1905.  
W. GREEN, 1905.  
G. B. PERKINS, 1905.  
J. DANIELS, 1905.  
N. LOMBARD, 1905.  
A. MERRILL, 1905.  
W. H. TRASK, 1906.  
W. RANNEY, 1906.  
A. H. DONNEWALD, 1907.  
C. G. LORING, 1906, *Art Editor*.

MIGUEL AHUMADA, JR., 1906, *Business Manager*.  
F. A. BENHAM, 1906, *Assistant Business Manager*.  
D. G. ROBBINS, 1907, *Assistant Business Manager*.  
M. MCLEOD, 1907, *Assistant Business Manager*.

OFFICE: 30 ROGERS, 491 BOYLSTON STREET.  
Editor-in-Chief . . . . . Daily, 8.30-9 A.M.  
Business Manager . . . . . Wednesday, 12-1 P.M.

*For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.*

*Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.*

*All communications regarding subscriptions should be addressed to the Business Manager.*

Subscription, \$1.00 per year, in advance. Single copies, 5 cts.

Entered in Post-office, Boston, Mass., as Second-class Matter.

Puritan Press, Boston.

THE TECH is in receipt of a communication from the chairman of the Advisory Council on Athletics, in which he takes exception to a local in our last issue as regards the Field Day Cup. If the president's secretary is the one empowered to have the numerals put on the cup, the student body is not aware of that fact, and as THE TECH merely reflects the sentiment of the student body, we see no necessity for an apology. The cup has been neglected for a year and a half—that's the point—and it seems to us that the same

body that manages and finances the Field Day should take upon itself the paltry burden of having the numerals of the winning class put on the trophy.

IT seems that in the libraries of the Institute it is impossible to allow the students some freedom in taking books from the shelves without having advantage taken of that privilege. In another column we print a list of books which have been removed from the Electrical Engineering Library without having been registered. It is, of course, only reasonable to suppose that the men who removed the books without signing for them were perfectly honest in their intentions, and that the matter is altogether one of carelessness. Such carelessness, however, is not far from being criminal. The books are urgently needed by the Seniors engaged upon their thesis work, which is to them the most important that they do here. The thoughtlessness or carelessness which throws obstacles in the way of hard-working school-mates is of the kind which must in the end react and do its greatest harm to the one responsible for it. It is to be hoped that if a consideration of the former point makes no impression on the minds of the holders of the volumes in question, that a due contemplation of the latter may cause their return to the library.

WE are told that college graduates are coming to possess a larger and larger share in our government. If that is so, there comes the question, will Technical men hold their own with Academic graduates? A scientific school cannot afford such training in

Government and Economics as can the college, so if the Technical man is to hold his own, he must depend largely upon himself.

The old story of too much work to do might perhaps be put forth by some as an explanation of the lack of interest in national affairs manifested by the students at Tech. We believe, however, that there is just as much deep-seated interest in such matters at the Institute as there is at many other colleges. That it is not so apparently present none can deny. With a view to stimulating interest primarily in national questions, "The Week" was introduced into the columns of THE TECH during the past year. The recently formulated debate between the Walker Club and the Civil Engineering Society is another step in this direction. In this issue we publish an essay written by a Porto Rican student at Tech, which we hope may be of interest to a large number of Tech men, as giving an insight into "the other side" of the great national question of our dealings with our newly acquired possessions.

#### Alumni Reunion.

The plans for a great Alumni Reunion to be held in June have been vigorously developed during the recent quarter. Early in March a general announcement was mailed to about four thousand alumni and former students. The response to this announcement has been most satisfactory and the great number of provisional acceptances indicates that the reunion will be much more successful than was at first hoped for. No less than nine hundred and forty men have accepted provisionally, and besides these several hundred guests will probably be present, so that if numbers are any indication of the enthusiasm to be shown, this reunion should be one of the greatest events in Tech's history.

The headquarters for the alumni is to be the Henry L. Peirce Building, on account of the facilities which it affords for receiving and entertaining a large number of visitors. Every one

will be expected to register, but this will not require the usual entrance examinations and filing of attendance cards; on the contrary, every one will be presented with a valuable and elegant badge identifying its possessor with the Tech reunion and with his class, and serving as his open sesame everywhere during the three days of the *fete*.

The program is to be briefly as follows:

Sunday, June 5, will afford opportunity for registration and give to those arriving from a distance plenty of time to get their bearings before the formal opening of the ceremonies. Monday afternoon Class Day exercises will be in progress and may form an object of particular interest to those of the earlier classes for whom graduation was hardly more than a name. Some of the classes will hold their dinners on this evening, but the main feature of the day will be the evening reception tendered by the Corporation and Faculty of the Institute. Tuesday morning will be occupied with inspection of the buildings and departments. In the evening at Symphony Hall will occur Tech Night at the Pop Concert. Wednesday will form the grand climax of the week. Steamers will be chartered and the entire assemblage is to visit the new State Reservation at Nantasket. As a fitting conclusion to the reunion will be the grand Tech banquet, to be held at the Somerset Hotel, where provision can be made for five hundred people. The committee has made no provision for the following days of the week, but it is hoped that many of the visitors may prolong their stay.

The General Committee is as follows: S. J. Mixter, '75, chairman; J. P. Munroe, '82, vice-chairman; A. G. Robbins, '86, secretary; E. G. Thomas, '87, treasurer. Besides these members the committee includes the chairman of the sub-committees.

The committees are now at work arranging the details for the reunion, and with the early start in preparations their completeness is assured.



### Spring Concert.

As was stated in last week's issue, the Musical Clubs will hold their annual spring concert and dance at the New Century Building on Wednesday evening, April 27. This spring concert has always been a very important factor during Junior Week and it deserves even more recognition and support than it receives. It is unnecessary to give a general review of the clubs' work during the year. The members have worked hard and have given some fine concerts during the past winter. The home concert during Junior Week has been their goal, and now they are prepared to give their best concert of the year.

It is possible that some students do not know that the Institute possesses musical organizations, or else they believe that these concerts are only for a few of their more musically inclined friends. The best way for them to find that they are entirely in error is to spend 50 cents for a ticket and attend the concert. Potter Hall is not a large hall and these are just as good as the higher priced seats.

Immediately after the concert a dance will be held, in the hall above, until midnight. These dances have proved very popular, as every one who attends is sure to have a good time. There is nothing which will cheer a fellow up more than a dance hall with a good floor, good orchestra, and — a good partner. All of these will be found at this dance. We hear that the Junior Prom is *the* social event during our college course, but other dances are needed, where we may meet and make friends and see a bit of the social side of life. It is too much of a change for a fellow who has not attended any of the other school dances to go to the Prom and feel at ease and enjoy himself to the utmost. The dances held by the Musical Clubs just fill the bill, and they help to educate one for their Junior Prom. This idea should appeal particularly to the Sophomores and Freshmen.

Tickets for the concert and dance will be on sale after 9 A.M. on Friday, April 22, in Rogers

Corridor. Secure your seats early and thus get the best. Mail orders will also be received if addressed to "Louis E. Robbe, General Manager," but personal applications for seats is advised.

### Junior Week.

What is Junior Week? For those who do not know we shall try to answer this all-absorbing question.

Junior Week is the one week in the school year when hard work gives way to hard play. The instructors are not so stern if a student does not know his tasks, and the students are equally ready to condone this peculiarity of their instructors. Everybody fusses — even the greasiest grind comes out of his shell and goes to one of the functions of the week.

Taking first honors of the week is *Technique*, the best ever published at Tech, and we hope the best in any college. Every one should know what *Technique* is. If any one doesn't, let him get into the rush and he will be reminded of Sherman's definition of war.

Next in importance is the Tech Show, "Simon Pure Brass," which will eclipse all previous efforts of Tech men in the theatrical line. Besides these, comes the Junior Prom, held at the Somerset, Thursday evening. This is the most formal function of the week. Then the Tech Tea, held in the library on Thursday afternoon. THE LOUNGER is then permitted to stray among the guests and deliver himself of his witticisms, but always under the chaperonage of his keeper. Last, but not least, is the Spring Concert and Dance of the Musical Clubs on Wednesday evening, at the New Century Building.

But can a man get through it all safely? Well, any man who faces Tech for at least one term will find that he has had ample training for the most strenuous of play. Everybody out, and make Junior Week a never-to-be-forgotten pleasure.

### "Simon Pure Brass."

The all-day rehearsal on Tuesday put the Show in excellent shape and everything looks bright for three unusually good performances. Malden apparently appreciates the privilege of seeing the first performance of "Simon Pure Brass," but there are still plenty of seats left, and men living anywhere near Malden would do well to attend the Monday evening performance.

### 1906 "Technique" Electoral Committee.

The Electoral Committee has chosen the following men to compose the 1906 *Technique* Board:

Associate Editors, C. T. Bartlett, R. Bingham, M. A. Coe, W. J. Knapp. Society Editor, J. T. Lawton, Jr. Athletic Editor, H. L. Williams. Statisticians, N. Fallon, M. E. Vinton, Jr. Associate Business Managers, L. G. Blodgett, A. P. Mathesius, K. E. Terry, Jr., C. F. W. Wetterer.

### Communications.

*The Editors do not hold themselves responsible for opinions expressed by Correspondents.*

### TO THE EDITOR OF THE TECH:

The following books have been removed from the Electrical Engineering Library without having been registered, and they are still missing:

Foster, "Electrical Engineer's Pocket-book."

Kempe, "Electrical Engineer's Pocket-book."

Sheldon, "Dynamo-electric Machinery," Edition 2, 1903.

Bedell & Crehore, "Alternating Currents," Edition 4, 1901.

These books are needed urgently by the 1904 men engaged in thesis work. Therefore, if by publishing this notice, you can arouse the memory or conscience of the careless ones who have failed to leave receipts, the effort will be much appreciated. ♦

R. P. BIGELOW, *Librarian.*



We are very pleased to state that Mr. G. B. Perkins, 1905, has returned to THE TECH Board.

Only about twenty-five men attended the Kommers last Saturday night. The Kommers is just what the students make it.

A number of Tech men entered in the Patriots' Day celebration, which consisted of amateur games at the North End Park, Commercial Street.

The Institute Committee has decided upon Friday, May 6, for a convocation of students in Huntington Hall, to practice cheering and singing for the Dartmouth Meet.

The challenge issued by THE TECH board to the *Technique* board, for a baseball game to be played in Junior Week, has been accepted and the game will be played Friday morning on the Columbus Avenue playground. Every one come and have a laugh.

Next Wednesday at 1 P.M. the special Junior Week number of THE TECH will be issued. The issue will contain a review of *Technique*, 1905, an account of the first performance of the Show, and of the Spring Meet, besides numerous special features. In order to cover the extra cost of this number it has been found necessary to charge ten cents per copy on the cash sales.

The exact subject of the debate to be held between the Walker Club and the Civil Engineering Society is:

"Resolved, that Congress shall annually appropriate for the permanent improvement of highways in the respective States amounts equal to those appropriated by the States for the same purpose." The debate is to be held on Thursday, May 5, at 4 P.M., in Room 6, Lowell.

### Interclass Games.

Saturday, April 23, will witness the first appearance of the Track Team, the occasion being the annual Spring Meet. This meet, although it is the first of the season, is of greater importance than would at first appear. Besides deciding the class championship, it will practically settle the make-up of the 1904 Track Team. The winners of first and second places will go to the training table next Monday morning, and from that day training for the remaining meets of the season will commence.

The events will undoubtedly be close and interesting. In fact, both Coach Mahan and Captain Curtis expect broken records in some of them. The number of entries in the different events is quite large, and it may be safely said that no one man will have a walk-over in any of them.

It is to be sincerely hoped that all will take a lively interest in this meet, and encourage the participants by their presence. The team needs our support. It not only needs it but deserves it. The men who have been trying for places on it have been coming out regularly. Despite the unfavorable conditions they have been hard at work at the Oval every night since the first call for candidates was issued. Both Coach Mahan and the men have certainly done their best to make to-morrow's meet a success, and it is now "up to" the student body to give them some encouragement. Moreover, since this is practically one of the events of Junior Week, all who can possibly do so should be on hand, and help make this event just as successful as any of the others.

The meet is to be held at the Newton Athletic Club, which may be reached either by train or by the electrics. The train leaves Trinity Place Station at 1.09 P.M.

---

### Civil Engineering Society.

At the meeting held on the afternoon of Tuesday the 12th inst., G. C. Simpson and H. W. Har-

vey were elected members of the Society. The president stated that the next meeting would be the annual meeting, and introduced Mr. John P. Fox, who lectured on the subject of "Rapid Transit in Europe." The lecture, which was accompanied by lantern slides, was of much interest and the speaker gave his hearers a clear conception of how European methods differed from those practiced in this country. The advantage of double-decked cars was explained and also the greater efficiency of European electric and steam rapid transit. He showed that the cars used on the European roads were better lighted, were more thoroughly equipped in the matter of fenders, and were able by their size to seat as many as one hundred and twenty persons in one car. Mr. Fox also explained that in Europe the elevated structures were ornamental and less noisy than here, and the whole lecture brought out the interesting and vital fact that the European corporations give the public perfect satisfaction and low fares and at the same time make even larger profits on capital invested than are made in this country, where the public seems to be about the last thing thought of by the management of the rapid transit roads.

---

### 1904 Dinner.

The final Senior dinner will take place at the Copley Square Hotel at 6.30 P.M., on Friday, April 22. Dr. Pritchett is expected to be present, and every man in the Class should attend, to do him honor. An excellent menu is assured. Important improvements in Class Day will be discussed, among them being the question of caps and gowns. Vocal and instrumental music will be a pleasing feature of the evening, and informal dress is the rule. All these attractions should combine to make this the best dinner that 1904 has ever enjoyed, and it only remains for the men to confirm the interest already shown, by attending in large numbers.



## NATIONAL.

While at target practice off Pensacola, Fla., a charge of powder in the left-hand 12-inch gun in the after turret of the battleship *Missouri* ignited, and, dropping below, ignited four charges of powder in the handling-room, and all exploded. Thirty-one men were killed. That the magazine did not blow up and destroy the whole ship is due to the quickness displayed in flooding the magazine and handling-room with water. It is said that the explosion was the result of a blow-back, caused by the wind blowing the flames back from the muzzle of the gun and through the open breach, thus igniting the powder charge which was being hoisted in. The *Missouri* is the very latest of the big battleships to go into commission. The flag was hoisted on her in December last at Norfolk by Captain Cowles. The damage to the battleship is much greater than was stated at first.

The House of Representatives has passed a joint resolution providing for the acceptance by the Government of a statue of General Kosciuszko, to be presented to the country by the Polish-American organizations and Polish-American people generally, as an expression of their loyalty and devotion to their adopted country, "for the liberties of which Kosciuszko so nobly fought."

## FOREIGN.

The Russian fleet has sustained another disaster in the blowing up and sinking of another battleship, the *Petropavlovsk*, and the drowning of Vice-Admiral Makaroff, who had put new life into the Russian fleet at Port Arthur and of whom Russia expected so much in the future.

There is much doubt as to what caused the explosion. The Russian accounts say that the *Petropavlovsk* struck one of their own mines, which blew her up and she turned turtle, drowning nearly eight hundred men. Other accounts say that she struck a mine planted by the Japanese, or else was struck by a torpedo. This seems likely, because at nearly the same time the *Pobieda*, a larger battleship than the *Petropavlovsk*, was injured by a "mine," but managed to reach the harbor. The *Bezstrashni*, a torpedo-boat-destroyer, was cut off from the rest of the fleet, and was sunk by Japanese torpedo-boat-destroyers, with the loss of all but five of her crew.

Admiral Togo has been trying to destroy the rest of the Russian fleet by a long bombardment of Port Arthur.

The palace of the Emperor of Korea has been destroyed by fire and all the Korean Government records and accounts were lost. The loss is estimated at \$3,000,000.

## GENERAL.

Verestchagin, the celebrated painter of battle scenes, was among those lost by the sinking of the *Petrapoulouk*. His object in going to the war was to obtain material for pictures, as he had done in the Russo-Turkish war and in other Russian conflicts.

Twenty-seven State Legislatures, comprising all the States in the Republic of Mexico, having ratified the new constitutional amendments extending the presidential term from four to six years, and creating the office of vice-president, Congress will now formally declare that the organic law has been amended.

Dr. Baskerville, of the University of North Carolina, has announced that he has resolved thorium into two new elements. One of these he has named Carolinium, after the State; the other Berzelium, in honor of the great Swedish chemist.

## Calendar.

FRIDAY, APRIL 22.

- 4.10 P.M. LECTURE on "River Driving of Logs in Spring," by Mr. Underwood.
- 4.15 P.M. CIVIL ENGINEERING SOCIETY. Annual meeting in 11 Eng. B for election of officers. Mr. F. L. Fuller will address the Society on "Concrete Arch Vaulting." Illustrated.
- 4.15 P.M. TECH SHOW REHEARSAL. Entire Show at Paine Memorial Hall.
- 6.30 P.M. SENIOR CLASS DINNER at the Copley Square Hotel. Tickets, \$1.50 per plate.

SATURDAY, APRIL 23.

- 2.00 P.M. TECH SHOW REHEARSAL. Entire Show. Paine Memorial Hall.
- 2.15 P.M. SPRING GAMES at Newton Athletic Club Grounds. Admission, 25 cents. Take Newton Boulevard or Auburndale car.
- 3.00 P.M. 1906 BASEBALL TEAM will play Swampscott A. A. at Swampscott.
- 6.30 P.M. REGULAR SATURDAY NIGHT KOMMERS. Get tickets of Mr. Powers.

SUNDAY, APRIL 24.

- 10.00 A.M. TECH SHOW REHEARSAL. Entire Show. Last and dress rehearsal with orchestra at the Hollis Street Theatre. Secure pass and be prompt.

MONDAY, APRIL 25.

- 8.00 P.M. TECH SHOW, "SIMON PURE BRASS," at Malden.

TUESDAY, APRIL 26.

INSTITUTE EXERCISES SUSPENDED.

- 2.00 P.M. TECH SHOW, "SIMON PURE BRASS." Hollis Street Theatre.

WEDNESDAY, APRIL 20.

- 1.00 P.M. SPECIAL JUNIOR WEEK TECH issued.
- 4.00 P.M. INDIVIDUAL COMPETITIVE DRILL at the Armory.
- 8.00 P.M. ANNUAL SPRING CONCERT AND DANCE of the Musical Clubs. New Century Building, Huntington Avenue. Tickets, concert, 50 cents. Concert and Dance, \$1.00.
- 8.00 P.M. AMERICAN CHEMICAL SOCIETY. Prof. W. D. Bradley of Wesleyan University will address the Society.

THURSDAY, APRIL 28.

- 12.00 P.M. 1905 "TECHNIQUE" RUSH on the lawn between Rogers and Walker.
- 4.01 P.M. THE TECH TEA in the General Library, Rogers Building.
- 8.30 P.M. JUNIOR PROMENADE at Hotel Somerset.

FRIDAY, APRIL 29.

INSTITUTE EXERCISES SUSPENDED.

- 2.00 P.M. TECH SHOW, "SIMON PURE BRASS," at the Hollis Street Theatre.

## The Coffee Industry in Porto Rico.

In Porto Rico the production of coffee constitutes one-third of the wealth of the island. The great fall in the price of coffee since the American invasion is the principal cause of the crisis through which the island is passing.

When Porto Rico was a Spanish colony, the average price of coffee was twenty dollars per hundredweight and sometimes it went up to thirty dollars, so that a person owning a moderately large coffee plantation was really well off. Then we had the Spanish market, and by a commercial treaty between Spain and France we also introduced our coffee into the French market by payment of very small duties. Our coffee was also sold in the Cuban market, as Cuba was then a Spanish colony and produces very little of it. Thus the precious bean was no sooner gathered than it was sent abroad; the demand being always very great and the price being so good as to yield clear and valuable profits to the planter. It is to be noticed that in Europe, especially in France and Spain, our coffee is recognized as the best in the world. The best Java or Mocha coffee is far inferior to ours. This is due probably to the fine quality of land and to the excellent conditions under which the plant grows there, where moderate and frequent rain, which plays such an important part in the growth and development of the plant, is never wanting.

As soon as we ceased to be a Spanish colony we lost our European markets, as there were no longer any ties which bound us to Spain. We thought, however, that the change would be of advantage to our coffee, as the American market is larger than those which we lost, put together. Then came the great disappointment. First, we had to make the American people appreciate the good quality of our coffee. Secondly, we found that to accomplish this we had to bring our coffee into competition with the Brazilian coffee. Compared to ours, the Brazilian coffee is as charcoal to diamond; they are similar only in composition. In set-

ting up such a competition between our coffee and that of Brazil, the greatest obstacle we have to struggle against is the price. We cannot sell our coffee at such a low price as that of Brazil is sold here. The result has been that since the American invasion our coffee has no outlet; its price to-day is not higher than seven dollars per hundredweight, an amount which barely pays for its cultivation and which has brought the planters to ruin.

The last legislature of Porto Rico has voted twenty thousand dollars to be spent in advertising our coffee in this country. There lies our only hope. If the United States wishes, as we believe; the welfare and happiness of Porto Rico, she must take such measures as to afford protection for our products. She can do this with very little effort and no cost whatever. If these measures are to be taken they should be taken soon. It is a question of life or death, for a small country like Porto Rico cannot endure the present situation much longer. If things go on in this way there will come a day when the coffee plantations will have to be destroyed and in their stead other minor fruits will have to be planted, which at least will serve to prevent from starving thousands of laborers, who to-day, owing to the present conditions of things, cannot get wages to provide for the most indispensable exigencies of life.

It is not just that a country like Porto Rico, so highly favored by nature, be allowed to go to poverty and misery when a little protection would suffice to make it happy and prosperous. We love and trust the American nation, for we love all that is grand and noble. We opened our arms to the American army and kissed the American flag, for we were certain that the flag which had covered the sacred body of Liberty when she came to this world would also bring liberty, happiness and prosperity to our dear country. Fifty thousand children sing hymns of praise and blessing to that flag every day in our schools. Let the United States do something to help us and she will have won the love

of a country, which, though small, is noble, and will be ready at any instant to prove its gratefulness. May the world never say that Porto Rico went to wreck only after belonging to the noblest and wealthiest nation on the face of the earth.

### 1906 Baseball.

At present the outlook for the Sophomore Baseball Team is very bright. Many new men have come out, and with the majority of last year's team back, including the speedy infield, a successful season is promised. Among the candidates are: Lampie, Haley, Munroe, Thomas, and Riley, outfield; Blake, Honeyman, Kane, Winne, and Kennedy, infield; Hardy and Patch, catchers; and Wyman, Gregson, Mathison, and Whitehouse in the box. These men have been practicing daily under the guidance of Captain Streeter and are rapidly rounding into shape. Two games have already been played and on Wednesday, April 13, Boston Latin High School was defeated 15 to 8, in a rather one-sided game. Friday, April 15, '06 won from Stoneham High School in a game whose principal feature was the heavy batting of the '06 team. The work of Lampie, Winne, and Blake was of first-class order.

The score:

	I	2	3	4	5	6	7	R.	H.	E.
M. I. T., '06	5	1	10	4	1	1	1	23	17	4
Stoneham	2	0	0	2	2	3	0	9	6	5

Batteries: Gregson, Winne, and Patch, Yancey, Ervin and Sullivan.

Umpire, Messer.

### Chemical Society.

On Friday last the Chemical Society held a Smoker at the Union. Professor Jones of Johns Hopkins spoke interestingly of some experiments and theories of physical-chemistry in regard to some reactions, giving much importance to the work of J. J. Thompson. After the address the usual refreshments and social time followed, together with an informal discussion with Professor Jones about some points of his address.

## KEEPS!

SPECIALISTS in SHIRTS to order, as well as all Men's Wear, such as Hosiery, Underwear, Tailor-made Suits, Rain Coats, etc., all at popular prices.

*Laundry Called for and Delivered*

**KEEP MFG. CO.,** Makers of Keep's Shirts  
156 TREMONT STREET

## SPRING HATS

EXCLUSIVE STYLES FOR YOUNG MEN

BEST VALUES TO BE OBTAINED

We make a specialty of the celebrated "Stetson" Hat, and other first-class makers

**GEO. L. GRIFFIN & SON**  
404 Washington Street, Boston, Mass.

## Hotel Nottingham

Copley Square, Back Bay, Boston

Two minutes' walk to Huntington Ave. station of B. & A. R.R. and N. Y., N. H. & H. R.R.   ✱   ✱   ✱

Patronage of Tech Students is solicited in our Cafe.

**Private Rooms for Parties**

**Frank R. Grace, Mgr.**



*Gifts for all Occasions*

14-kt. Gold

Sterling Silver

Artistic China and Glass

*Prizes for all Games*

Gold, Silver and Bronze

Jewelry for Men

Umbrellas and Opera Glasses

*Prices for all Purses*

Our Stronghold, \$1 to \$10

*A. Howell & Co. Inc.*

MAKERS AND FINDERS OF THE UNUSUAL  
Established 1822

# THE BRUNSWICK

Boylston and Clarendon Sts., BOSTON.

(Adjoining Copley Square)



Kept on Both American and European Plans.

**BARNES & DUNKLEE, Proprietors.**

H. H. BARNES, Manager.

## LANDERS' NEW

*Lunch and Coffee House*

TRY OUR NEW MENU

25 Years' Experience

20 Huntington Avenue

Near Copley Sq.

BOSTON

Special Room for Ladies



## HEWINS & HOLLIS,

4 HAMILTON PLACE, - BOSTON.

**MEN'S FURNISHING GOODS**



# L. P. HOLLANDER & CO.

## NEW SPRING FASHIONS

IN

## MEN'S CLOTHING

NOW IN STOCK

We make a specialty of MEN'S DRESS SUITS—To Order and Ready-to-Wear

*DRESS GLOVES, NECKWEAR, ETC.*

202 to 216 Boylston St., and Park Sq.

## The Official Tech Pin.

Gold Plated on Silver, \$1.00.

Gold, \$2.50. Silver, 75 cents.

Frederick T. Widmer,  
Successor to

**HENRY GUILD & SON,** Manufacturers of HAM-  
MER AND TONGS, THETA  
XI. and other Society Pins.  
28 WEST STREET - BOSTON.

## CAFE ALWAYS OPEN

**Lunch, Cigars, Confectionery**

Cor. Columbus Ave. and Yarmouth St.

H. L. TUPPER, Proprietor

## TECHNOLOGY CHAMBERS DINING HALL

IRVINGTON and ST. BOTOLPH STS.

Good Food

Excellent Service

Our spacious Dining Hall  
will accommodate about fifty  
more Tech Students \* \*

**21 MEAL TICKETS \$5.00**





Hotel Westminster.

TOURISTS EN ROUTE TO AND  
FROM MOUNTAINS AND SHORE  
WILL FIND THE WESTMINSTER  
UNEQUALLED IN BOSTON.

# HOTEL WESTMINSTER

COPLEY SQUARE, BOSTON

W. A. BARRON, Prop.



Trinity Church. Hotel Westminster. Museum of Fine Arts. Boston Public Library.

**ABSOLUTELY FIRE PROOF—EUROPEAN PLAN**

White Mountains, New Hampshire—Crawford House, Fabyan House, Twin Mt. House, Summit House.  
THE BARRON, MERRILL & BARRON COMPANY

## THEATRE ATTRACTIONS

Week commencing April 18, 1904

TREMONT—"King Dodo."

COLONIAL—"Mother Goose."

BOSTON—"Babes in Toyland."

HOLLIS ST.—Nance O'Neil in "Elizabeth, Queen  
England."

PARK—"Mrs. Wiggs of the Cabbage Patch."

MAJESTIC—"Busy Izzy."

GLOBE—Weber & Fields in "Whoop-Dee-Do."

CASTLE SQ.—"Parsifal."


MECHANICS' BLDG.—"Horse Show."

**HERRICK** TICKETS Copley  
ALL THEATRES Square.

Telephone 2329, 2330 and 2331 Back Bay.

PERCY R. HOWE, D. D. S.  
157 NEWBURY STREET  
BOSTON

"THE GIRLS ARE FOND OF THESE"



## TECH EMBLEMS.

Greatest Variety.  
Lowest Prices.

### BENT & BUSH,

15 SCHOOL STREET. BOSTON.

# OXFORDS

DESIGNED FOR STUDENTS

10% DISCOUNT TO TECH

## Coes & Stodder

Down-Town Store  
14 School Street.

Up-Town Store  
78 Boylston Street.



**F. L. Dunne,**

**Transcript Building,  
.. Boston ..**

**and 17 West 30th Street,  
New York.**

**Fine Clothes.**



All over the civilized world  
**THE IMPROVED  
BOSTON  
GARTER**  
IS KNOWN AND WORN  
Every Pair Warranted

The Name is stamped on every loop —

The *Velvet Grip* CUSHION BUTTON CLASP

Lies flat to the leg—never Slips, Tears nor Unfastens  
**ALWAYS EASY**

Send 50c. for Silk, 25c. for Cotton, Sample Pair.

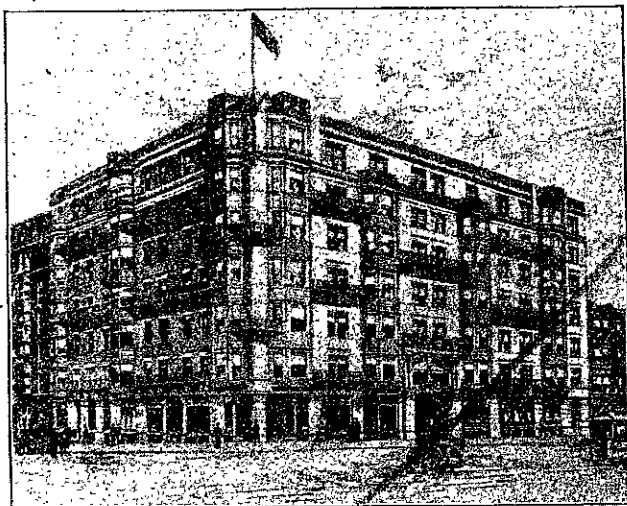
**GEO. FROST CO., Makers,  
Boston, Mass., U. S. A.**

**REFUSE ALL SUBSTITUTES**

# COPLEY SQUARE HOTEL

Cor. Huntington Avenue and Exeter Street

Boston, Mass.



This hotel is of modern construction and "High Class" in every particular, and located on one of the finest avenues in the Back Bay District. It is one block from the Boston & Albany & N. Y., N. H. & H. Station, and passed by electric lines from all parts of the city and suburbs.

Ten minutes to exclusive and fashionable shopping district.

Fifteen minutes to large department stores.

The Back Bay is the fashionable residential section of Boston.

Copley Square is Boston's Literary, Musical, Artistic and Religious Centre.

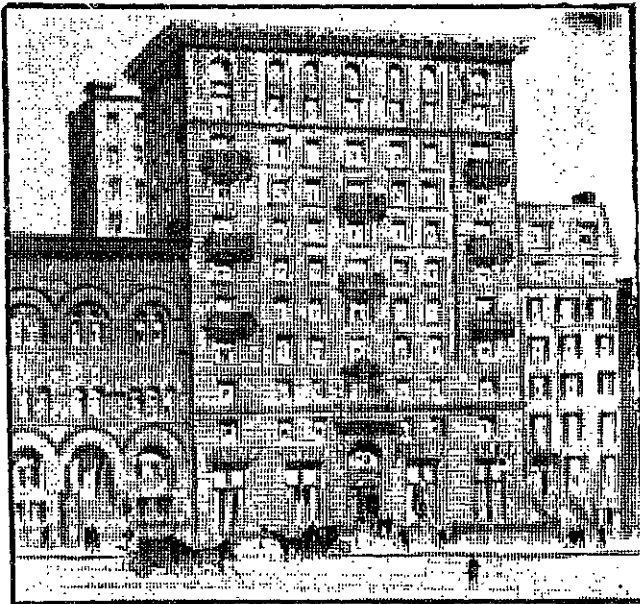
We solicit both permanent and transient guests, and offer rooms, single or en suite, at moderate rates.

When visiting Boston have your baggage checked to the Back Bay Station and the management of the Copley Square Hotel will be prompt in delivery.

On application we will send "Newer Boston," containing forty half-tone illustrations and map free of charge.

**A. R. STURGIS, Manager**

## NEW HOTEL BELLEVUE



BEACON ST., near Tremont, BOSTON

Near all theatres and large stores. Cuisine Unexcelled. Excellent Music. European Plan. Rooms \$1.50 up. Banquets a specialty.

HARVEY &amp; WOOD

Consult the

SPHINX

For Spring Hats

All Styles \$2.00

412 WASHINGTON STREET

## Technical Instruction by Mail

The American School of Correspondence, formerly of Boston, offers courses by correspondence in Mechanical, Stationary, Marine, Locomotive, and Civil

## ENGINEERING

Architecture, Mechanical Drawing, Perspective Drawing, Telegraphy, Telephony, Navigation, Heating, Ventilation, Plumbing Textiles, etc.; also

## COLLEGE PREPARATORY COURSES

fitting for entrance to engineering schools

The instruction is in no way intended to replace resident school instruction, but offers ambitious young men who have not the means or time to attend a resident school an opportunity for self-improvement under the guidance of thoroughly competent teachers.

The instruction papers have been prepared especially for home study by men of acknowledged professional standing.

Among these are

Prof. F. B. CROCKER	.....	Columbia University
Prof. F. E. TURNEAURE	.....	University of Wisconsin
Prof. WM. ESTY	.....	Lehigh University
Prof. W. H. LAWRENCE	.....	Mass. Institute of Technology
Prof. A. E. PHILLIPS	.....	Armour Institute of Technology
Prof. A. MARSTON	.....	Iowa State College
Prof. W. L. WEBB	.....	Formerly University of Penn.
Prof. C. L. GRIFFIN	.....	Formerly Penn. State College
D. A. GREGG	.....	Boston

For further information and catalogue address

## AMERICAN SCHOOL OF CORRESPONDENCE

at

ARMOUR INSTITUTE OF TECHNOLOGY

CHICAGO, ILL.

A. E. ZAPF, M.I.T. '95, Secy.

## GENTLEMEN GO TO

THE ..

## Students' Drug Store

Follow the crowd

Don't forget the address

## COPLEY SQUARE PHARMACY

Under Copley Square Hotel

Cor. Exeter St. and Huntington Ave., Boston, Mass.

Opposite Tech Chambers

Yours truly

E. G. BOSSOM

## CAMPBELL &amp; PENNY

## Caterers and Fancy Bakers

Restaurant and Ice Cream Parlor

GET DISCOUNT TICKET AT DESK

408-410 BOYLSTON STREET

BOSTON

In writing advertisers kindly mention THE TECH.

## H. H. CARTER & CO.

### *Stationers and Engravers*

are prepared to execute promptly and in the best manner all orders for

### *Class Day and Commencement Invitations*

Special rates to Students during May and June, on School and College work, Calling Cards and Stamping from Monogram and Society Dies.

*Send for samples and prices.*

5 Somerset Street - - Boston

## Senior Junior

Sophomore or Freshman—first day at school or last, you are just as liable to accident and in just as great need of Pond's Extract—the old family doctor—to relieve you. There are many ills that yield like magic to its healing influence. For over 60 years it has been the leading remedy in the old family medicine chest—"first aid" in all emergencies. At college or school, as well as in the home, it is counted a necessity. Soothes and freshens the face after shaving. If you have never used Pond's Extract you may not refuse Watered Witch Hazel when it is offered you as a substitute; if you have used Pond's Extract you will refuse to take any substitute—you will insist on Pond's Extract. For burns, cuts, bruises, to stop bleeding and drive away pains and aches, it is a soothing, healing remedy, easy of application and a positive cure.



Sold only in sealed bottles under buff wrapper.

**ACCEPT NO SUBSTITUTE.**

## L. PINKOS

## College

## Tailor

*Spring Importations are  
now ready for your  
Inspection . . .*

**1276 Massachusetts Ave.  
Harvard Square Cambridge**